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Loos

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(54) **REMOTE MAGNETIC MANIPULATION OF NERVOUS SYSTEMS**

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Related U.S. Application Data

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(51) Int. Cl.⁷ **A61N 2/00**

(52) U.S. Cl. **600/9**

(58) Field of Search 600/9-15

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(57) **ABSTRACT**

Apparatus and method for remote manipulation of nervous systems by the magnetic dipole field of a rotating bar magnet. Reliance on modulation of spontaneous spiking patterns of sensory nerve receptors, and exploitation of a resonance mechanism of certain neural circuits, allows the use of very weak magnetic fields. This, together with the large magnetic moments that can be obtained with a permanent bar magnet, makes it possible to effectively manipulate the nervous system of a subject over a distance of several hundred meters, using a small portable battery-powered device. The method can be used in law enforcement for standoff situations.

8 Claims, 3 Drawing Sheets

